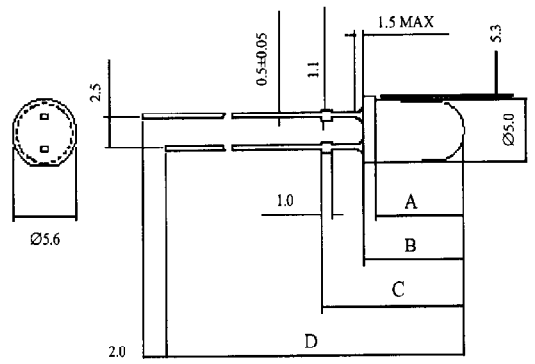
884923

# 5mm Blue Discrete LED




Dimensions in mm. Tolerance +/-0.2 UOS Not to scale

- High luminous intensity
- Also available as a 3mm device and in SMT format
- Solid state reliability
- Wider viewing angle version available

| Dimensions (mm) | | | |
|---|---|---|---|
| A | B | C | D |
| 7.6 | 8.6 | 12.4 | 28.9 |

## Technical and Ordering information

### Optical/Electrical Characteristics ($T_a$ =25°C)

| Order Code | Colour | Typ Fwd Voltage $V_f@I_{opr}$ | Max Fwd Voltage $V_f@I_{opr}$ | Forward Current $I_{opr}$ | Max Rev Current $I_r$ ($V_r$=5v) | Luminous Intensity $I_v@I_{opr}$ | Chromaticity coordinates | Viewing angle2θ½ |
|---|---|---|---|---|---|---|---|---|
| 110106 | Blue GaN | 3.6 | 4.0 | 20 | 50 | 3000 | 0.130/ 0.075 | 15 |
| | Water Clear | V | V | mA | µA | mcd | x / y | deg |

### Absolute Maximum Ratings ($T_a$ =25°C)

| Order Code | Colour | Forward Current $I_{opr}$ max | Peak Forward current | Reverse Voltage $V_r$ max | Power dissipation $P_d$ max | Peak Wavelength Typ. ëp | Operating Temp $T_{opr}$ | Storage Temp $T_{stg}$ |
|---|---|---|---|---|---|---|---|---|
| 110106 | Blue GaN | 30 | 100 | 5 | 120 | 470 | -30 ~ +85 | -40 ~ +100 |
| | Water Clear | mA | mA | Vdc | mW | nm | °C | °C |

Duty cycle <=1/10, Pulse Width <= 10msec,

DS 38/98 Issue 03

© Marl Optosource Ltd 1999

The information provided does not constitute part of any order or contract and should not be regarded as a representation relating to either products or services. No responsibility can be assumed for inaccuracies or printing errors. Marl International reserve the right to alter without notice the specification or any conditions of supply for products or service.